



United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15025

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AUG 15 2005

August 3, 2005

Air Protection Division (3AP12)

Dr. Roger C. Westman
Department of Air Quality
Bureau of Air Pollution Control
301 Thirty-Ninth Street
Pittsburgh, PA 15201

U.S. Environmental Protection Agency
Region III
Air, Radiation & Toxics Division
1650 Arch Street
Philadelphia, PA 19103-2029
ATTN: James W. Hagedorn

Assistant Council
Department of Environmental Protection
Southwest Region
400 Waterfront Drive
Pittsburgh, PA 15222-4745
ATTN: Steve Hepler

Department of Justice
Environmental and Natural Resource Division
Environmental Enforcement Section
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044
ATTN: David Street, Esq.

Subject: USS Reference Number: 05-0156
ACHD Reference Number: 6608
#19 Battery Igniter Flare
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the outage. Any questions concerning this matter should be referred to Coleen M. Davis at 233-1015.

Sincerely,

Anton Lukac
Plant Manager
Clairton Works

NOTICE OF BREAKDOWN OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. **USS Reference Number:** 05-0156
ACHD Reference Number: 6608
2. **Date & Time of Breakdown:** **Date:** 08/02/05 **Time:** 0808 hours
3. **Company Name:** U.S. Steel Corporation - USS Clairton Works
4. **Specific Equipment Involved or Affected:** #19 Battery Igniter Flare
5. **BAPC Permit Number (if applicable):**
6. **Location:** Clairton, PA
7. **Nature and cause of breakdown:** Tar removal maintenance was being performed on #19 Battery suction main when the flare tripped. The auto mercoird switch malfunctioned and allowed the igniter flare to remain open.

Date	Battery	Start	End	Duration		Flared	
		Time	Time	Min.	Sec.	Yes	No
08/02/05	19	08:08	08:21	13	00	Yes	

8. **Identification of Emissions:**

- A. **Type(s)** (CO, NOX, SO₂, Particulates, Hydrocarbons, etc.)
Released products of combustion of Coke Oven Gas.
- B. **Toxic qualities of each type** (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). Eye, Nose and Throat Irritant.
- C. **Amount of each type emitted (or likely to be emitted).**

Chemical	Quantity Released (lbs)
CO	427
NO _x	78
SO ₂	2168
VOC	59

9. **Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).**
The flare was manually closed and flaring was terminated at 0821 hours. The mercoird switch replacement was completed at 1100 hours and the automatic system was available for service.
10. **Facility back in operation -** **Date:** 08/02/05 **Time:** 1100 hours

Signature Coleen M. Davis Date 8/8/05
Coleen M. Davis
Senior Environmental Control Engineer Phone: 233-1015